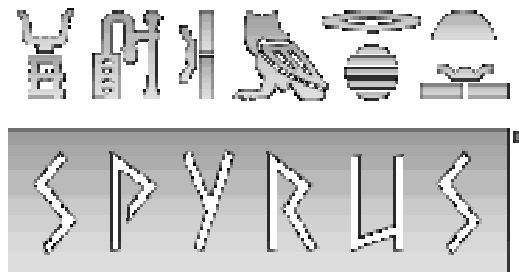


SPYRUS Participation in the Bridge CA Demonstration

Yuriy Dzambasow
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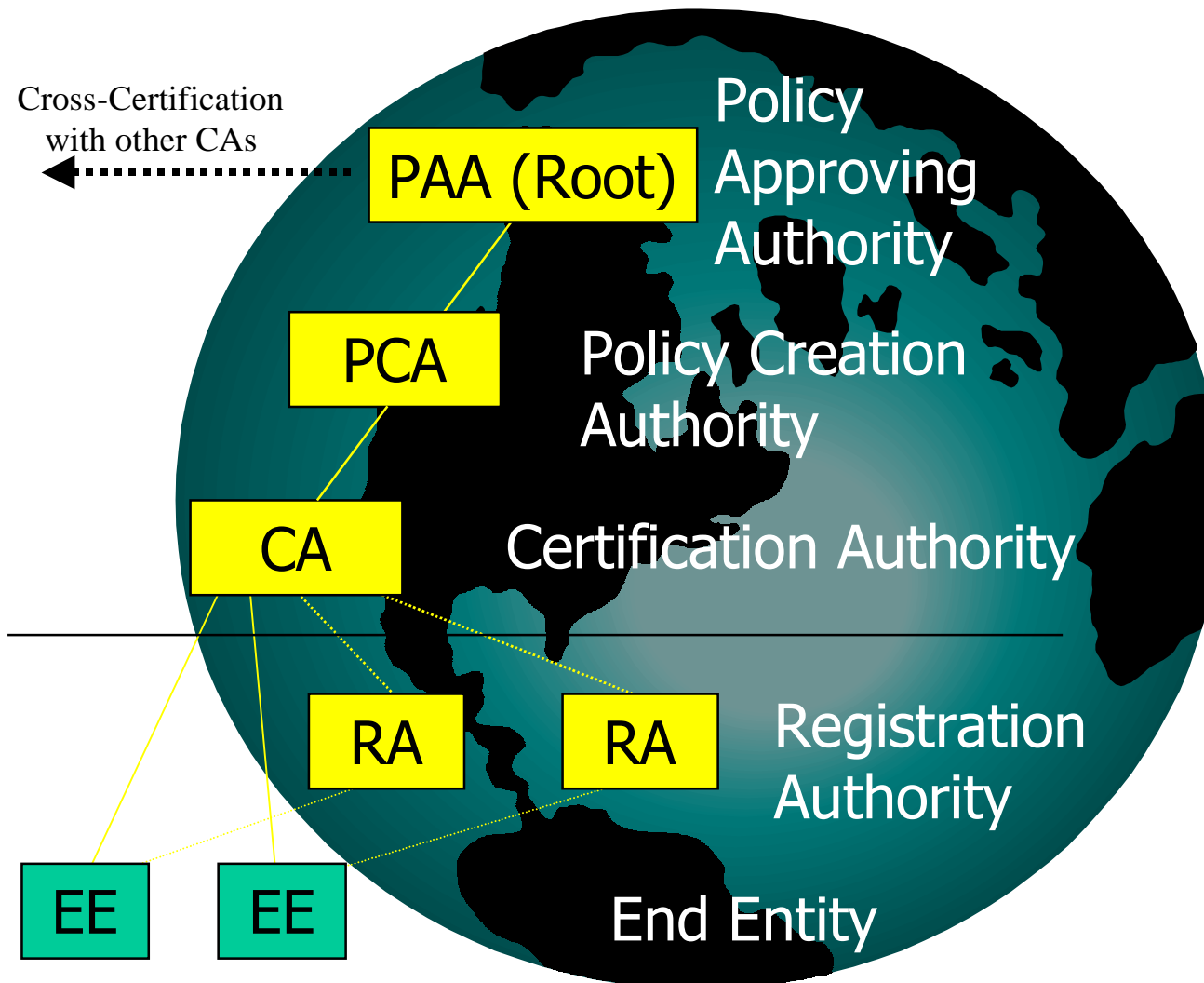


Overview

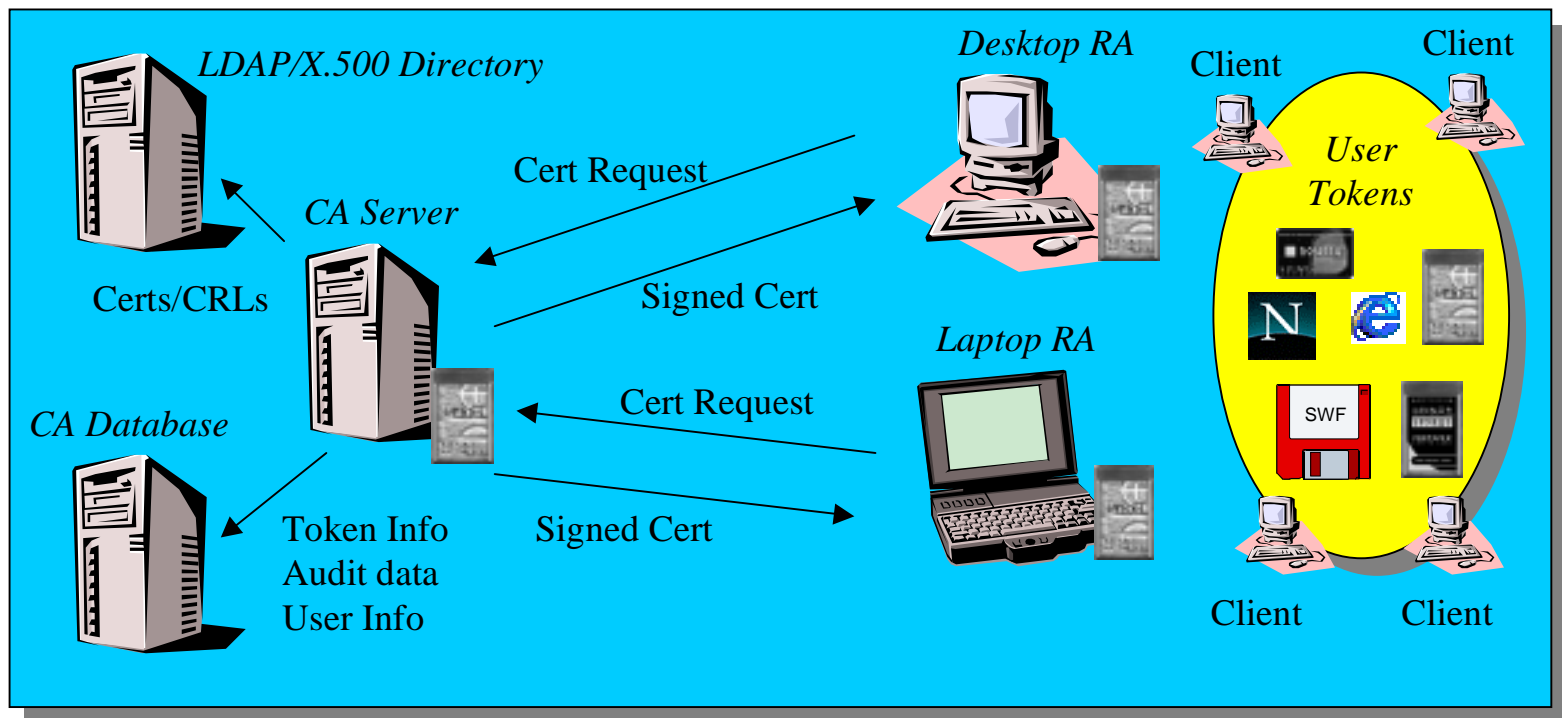
- ❖ SPYRUS participation in the Bridge CA Demonstration:
 - SPYRUS PKI
 - Issue RSA certificates and Program LYNKS Tokens
 - SPYRUS LYNKS PC Card Cryptographic Tokens
 - Provides crypto support for S/MIME application
 - SPYRUS SPEX/ Development Kit
 - Provides Crypto Library to LYNKS
 - SPYRUS Engineering Services
 - Assist in defining specifications for BCA Demo



SPYRUS PKI Overview



SPYRUS PKI Overview





SPYRUS LYNKS and SPEX/ Overview

❖ LYNKS Privacy Card

- PCMCIA Crypto Token designed to FIPS 140-1 Level 2
- Supports RSA, D-H, DES, 3DES, MD5
- Supports Government Algorithms: SHA-1, DSA, KEA, Skipjack

❖ SPEX/ Cryptographic Library

- Low level API for SPYRUS cryptographic tokens
- Algorithm independent
- Available for 13 operating systems



SPYRUS Participation in BCA Demo

- ❖ SPYRUS PKI is one of two DoD PKIs
 - Installed at ASEC Test Facility in Hanover, MD
 - Issue certificates and program LYNKS tokens for DoD client applications
 - Certificates assert Bridge CA Policy ID
- ❖ SPYRUS PKI publishes certificates and CRLs in the Chromatix Bridge CA DoD Server
- ❖ SPYRUS RA installation at Van Dyke
 - Provide remote LYNKS token programming support in VDA Lab

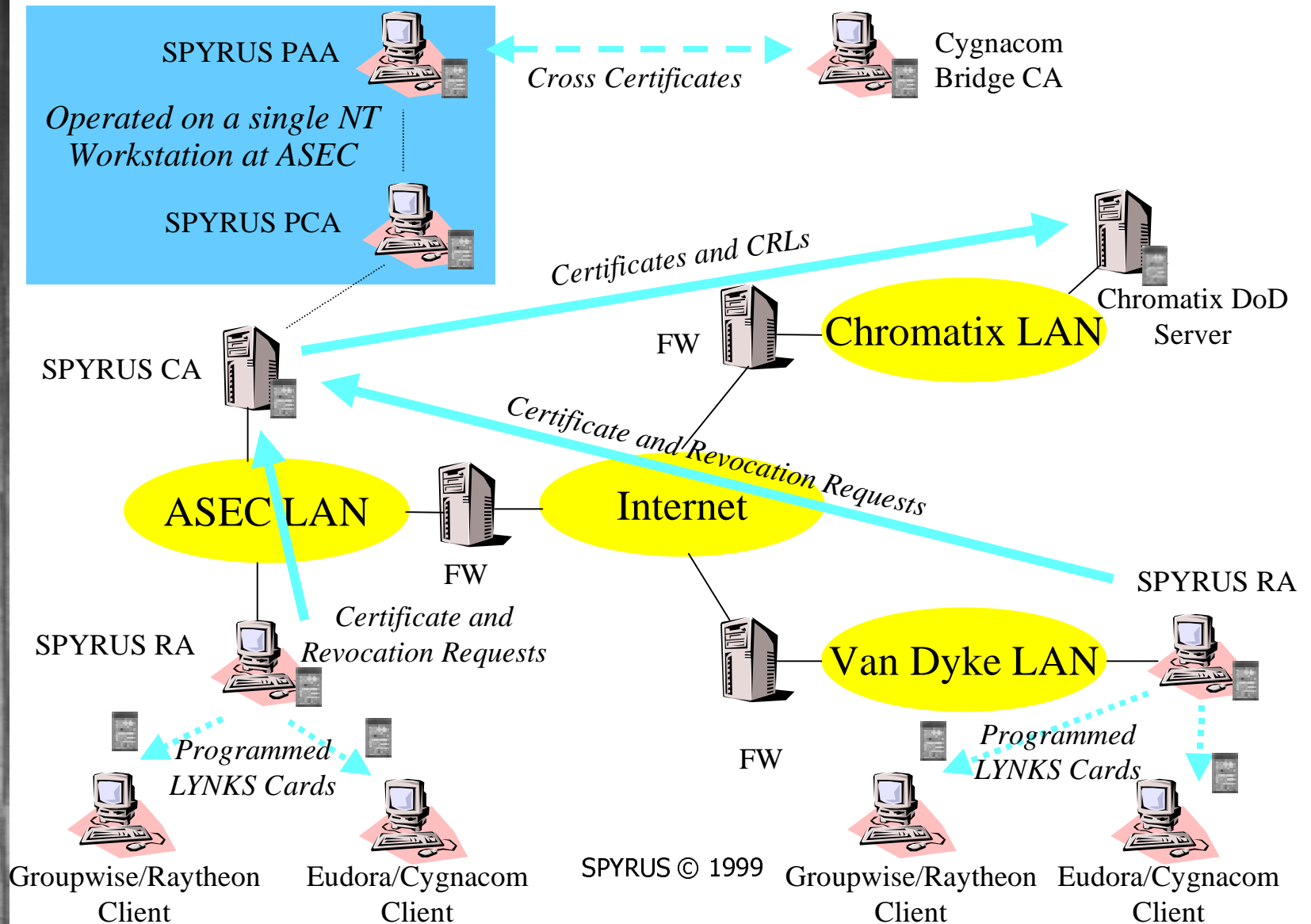


SPYRUS Participation in BCA Demo

- ❖ SPYRUS PKI (PAA) cross-certified with the Cygnacom Bridge CA
 - Enables secure interoperability with Motorola NSM and Entrust PKIs
- ❖ SPYRUS SPEX/ Crypto Library and LYNKS Privacy Cards
 - Used in Groupwise/Raytheon and Eudora/Cygnacom client applications to provide S/MIME crypto support

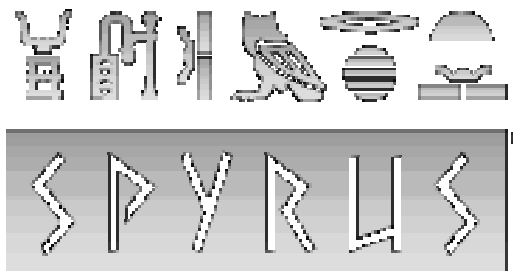


SPYRUS PKI Deployment





QUESTIONS?



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